

FIG. 1

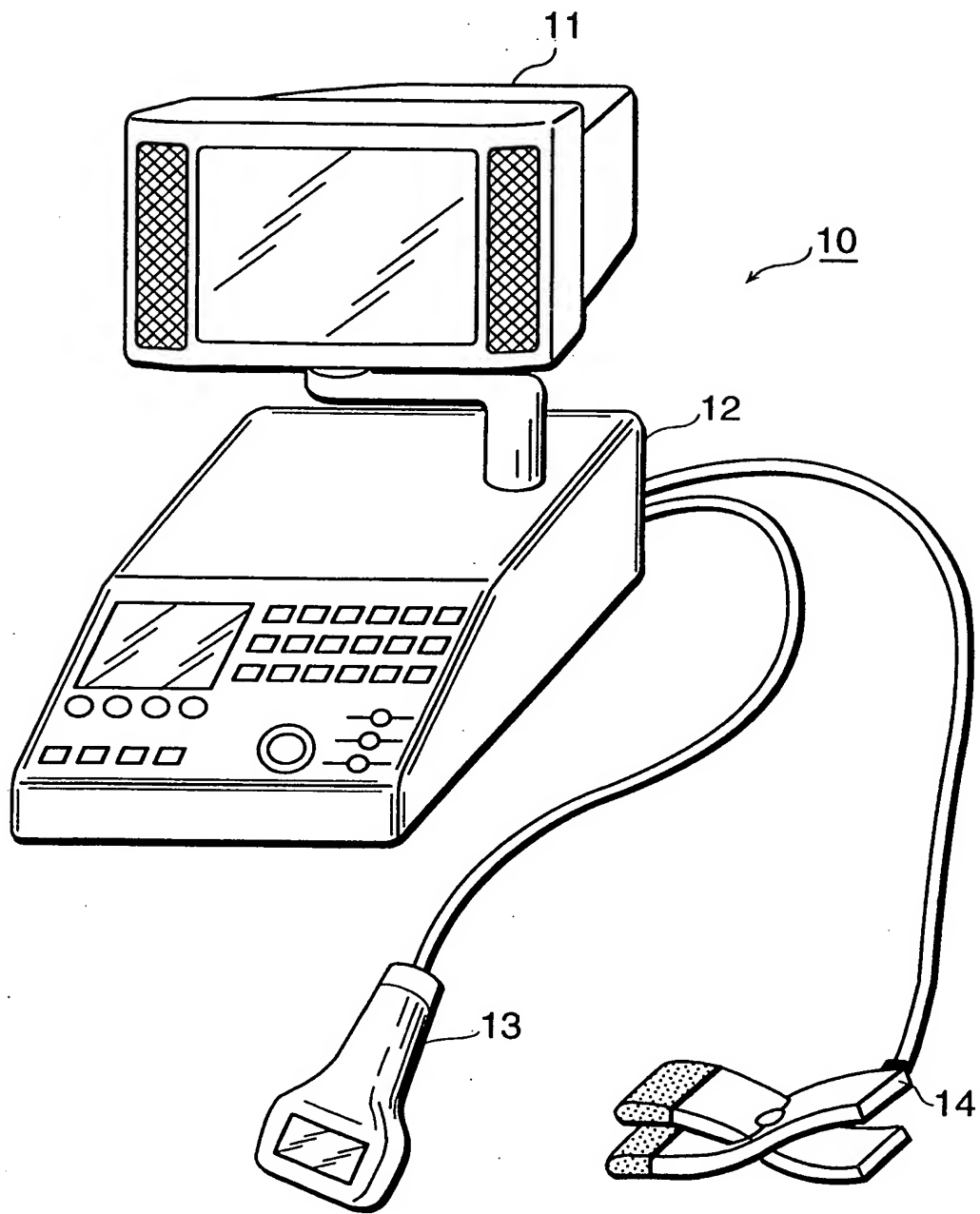


FIG. 2

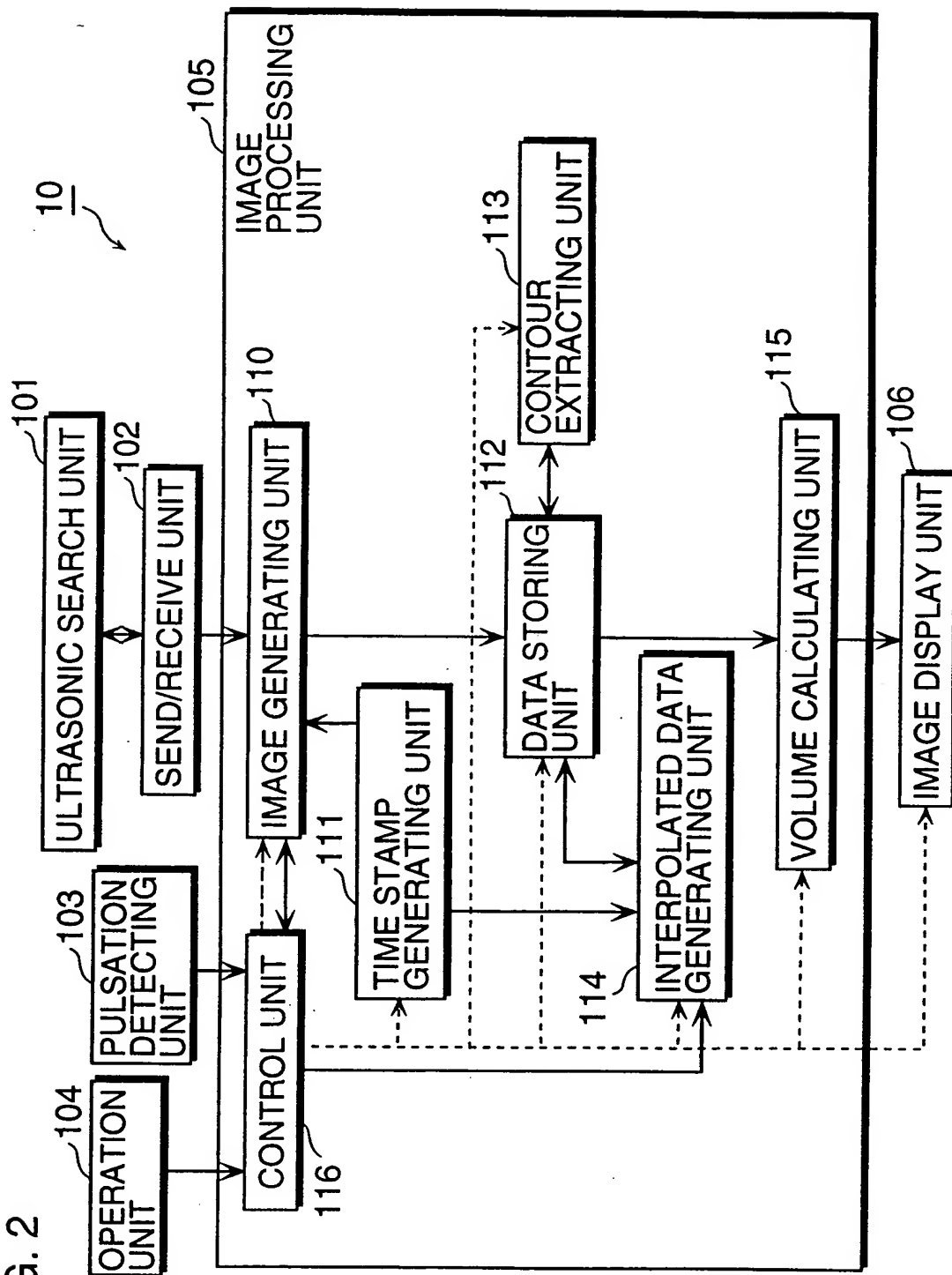


FIG. 3

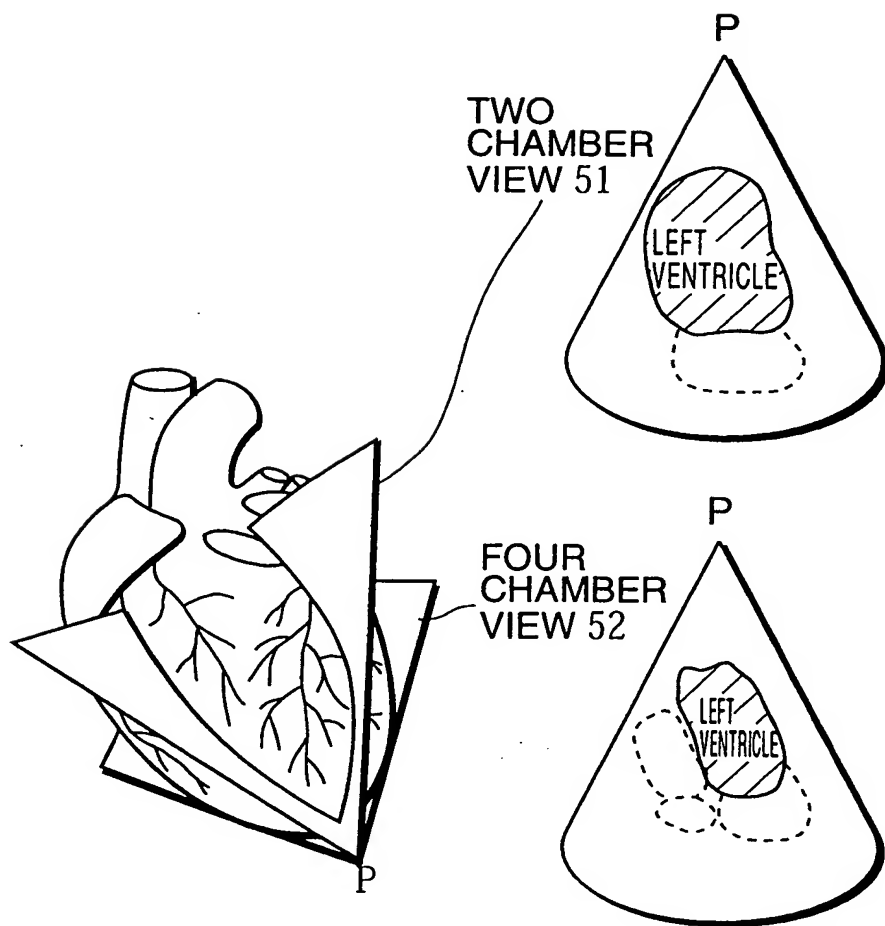


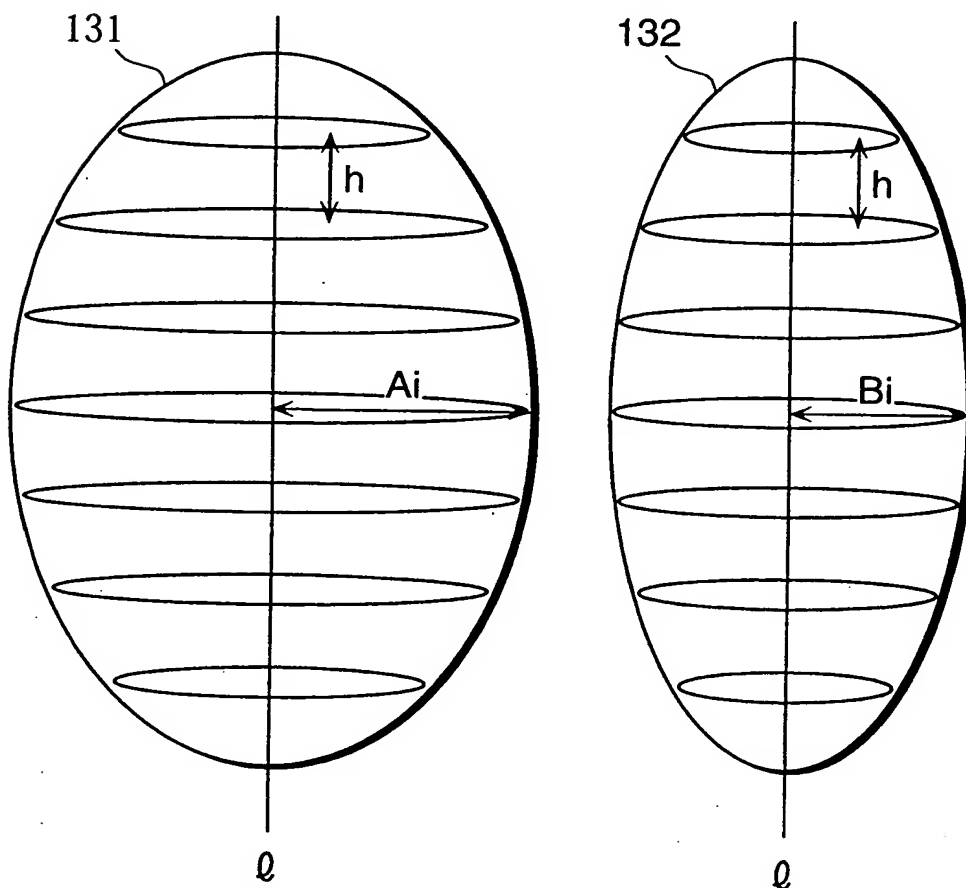
FIG. 4

THE MODIFIED SIMPSON METHOD

RADIUSES A_i AND B_i OF SLICES OF TWO CROSS
SECTIONS THAT ARE ORTHOGONAL TO EACH OTHER,
AND INTERVAL h BETWEEN SLICES



$$\text{VOLUME (OR CAPACITY) } V = \sum A_i B_i \times h \pi$$



CROSS SECTIONS THAT SHARE
AXIS l AND ARE ORTHOGONAL TO EACH OTHER

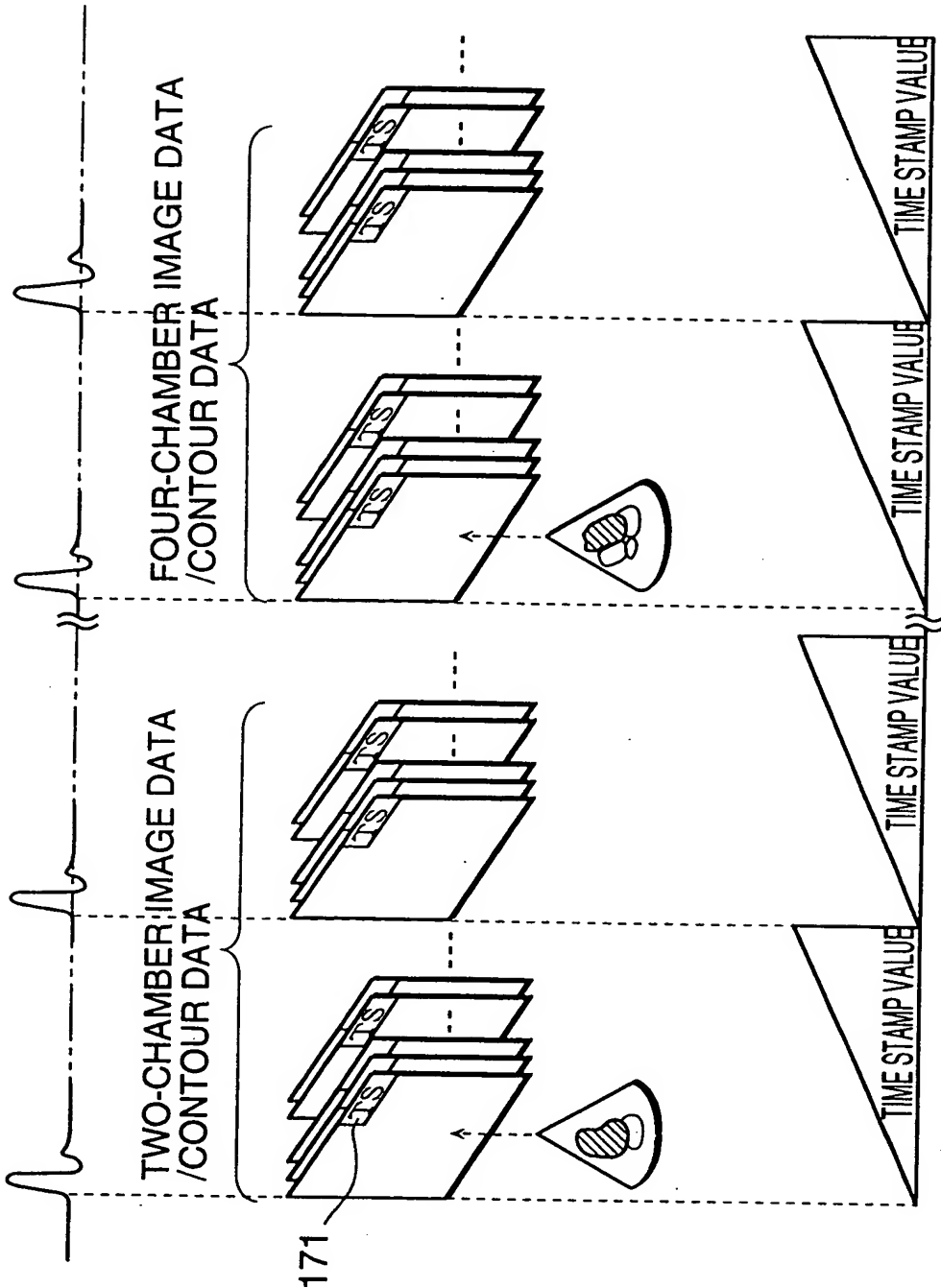


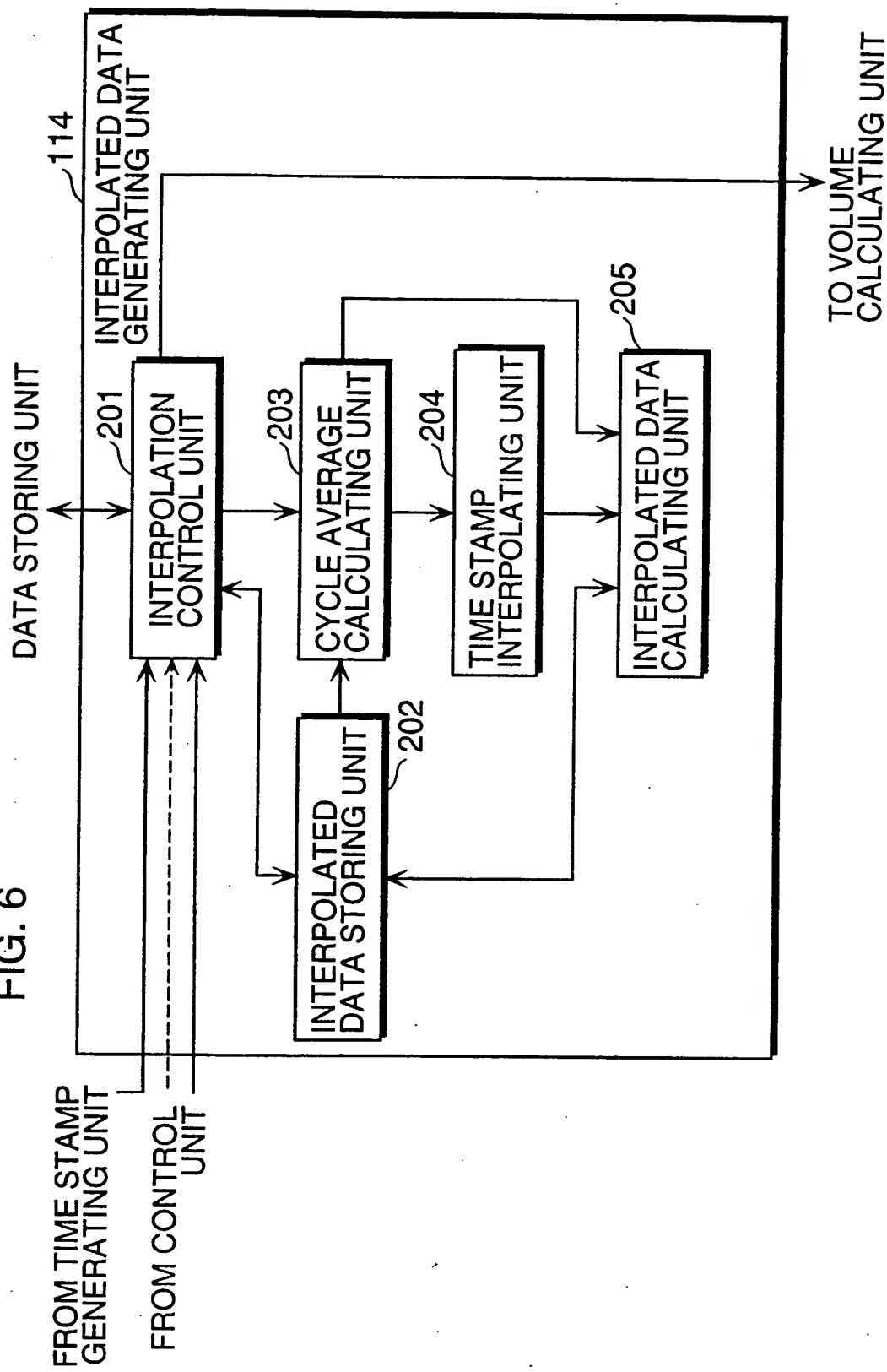
FIG. 5A

FIG. 5B

FIG. 5C

171

FIG. 6



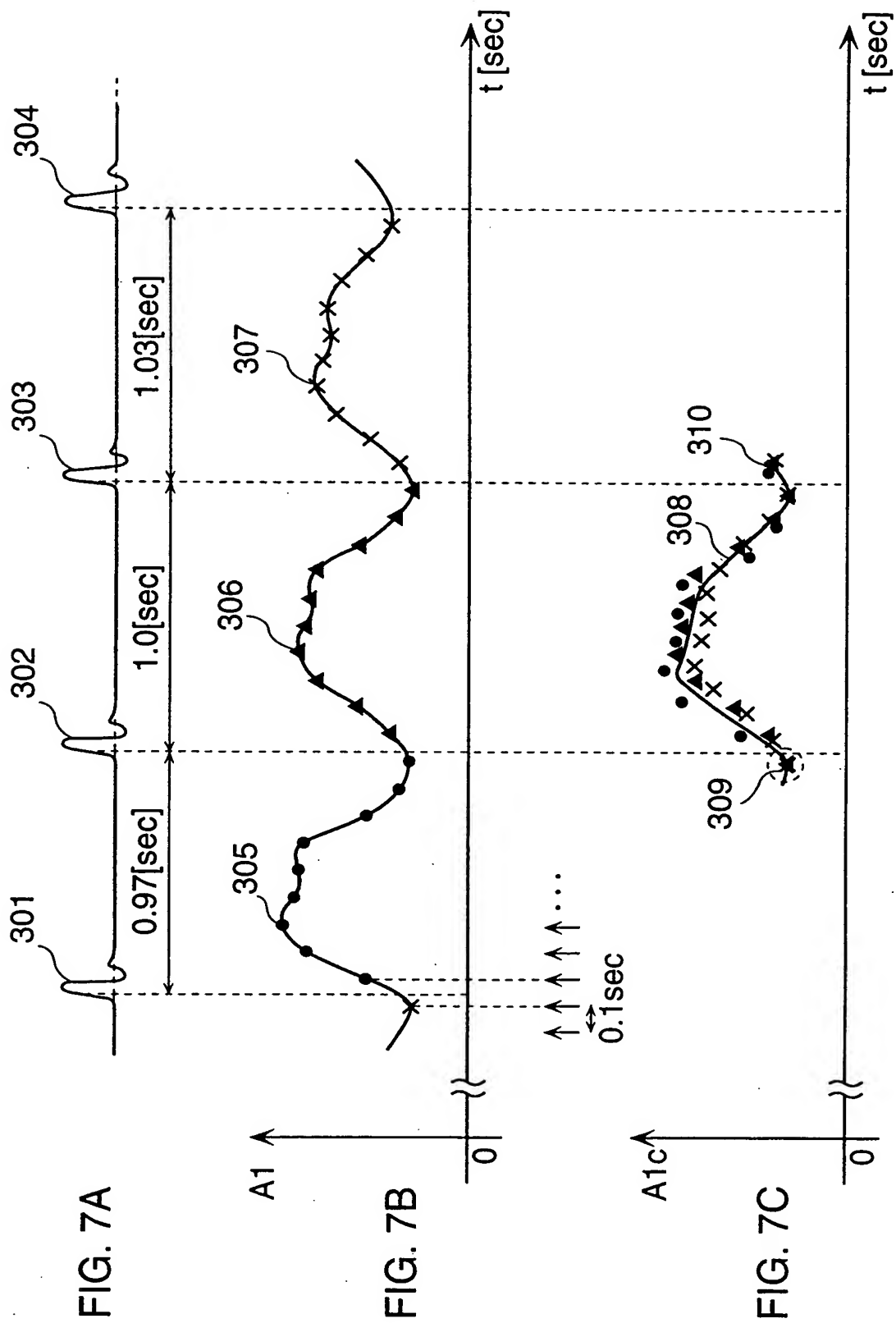


FIG. 8

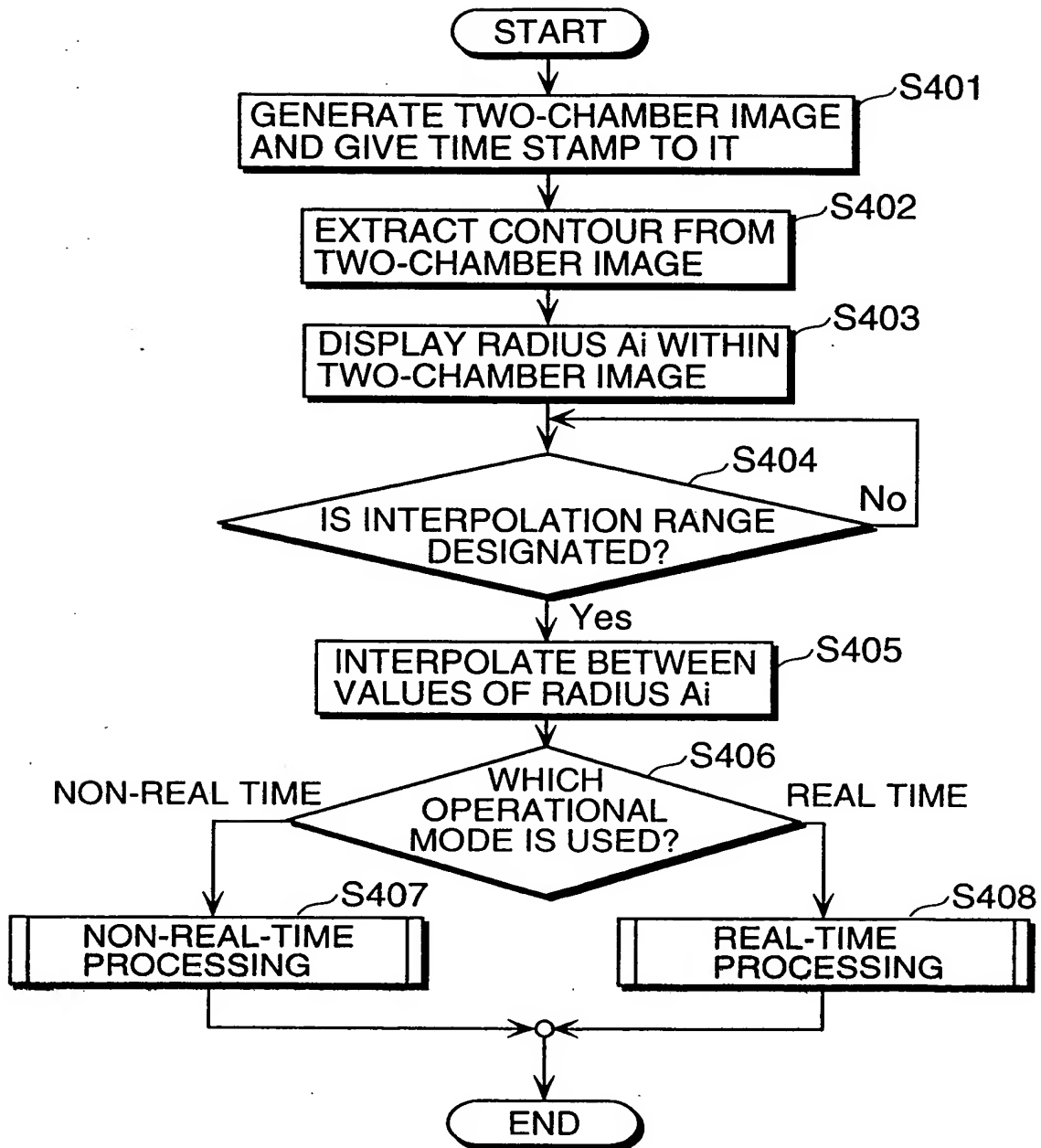


FIG. 9

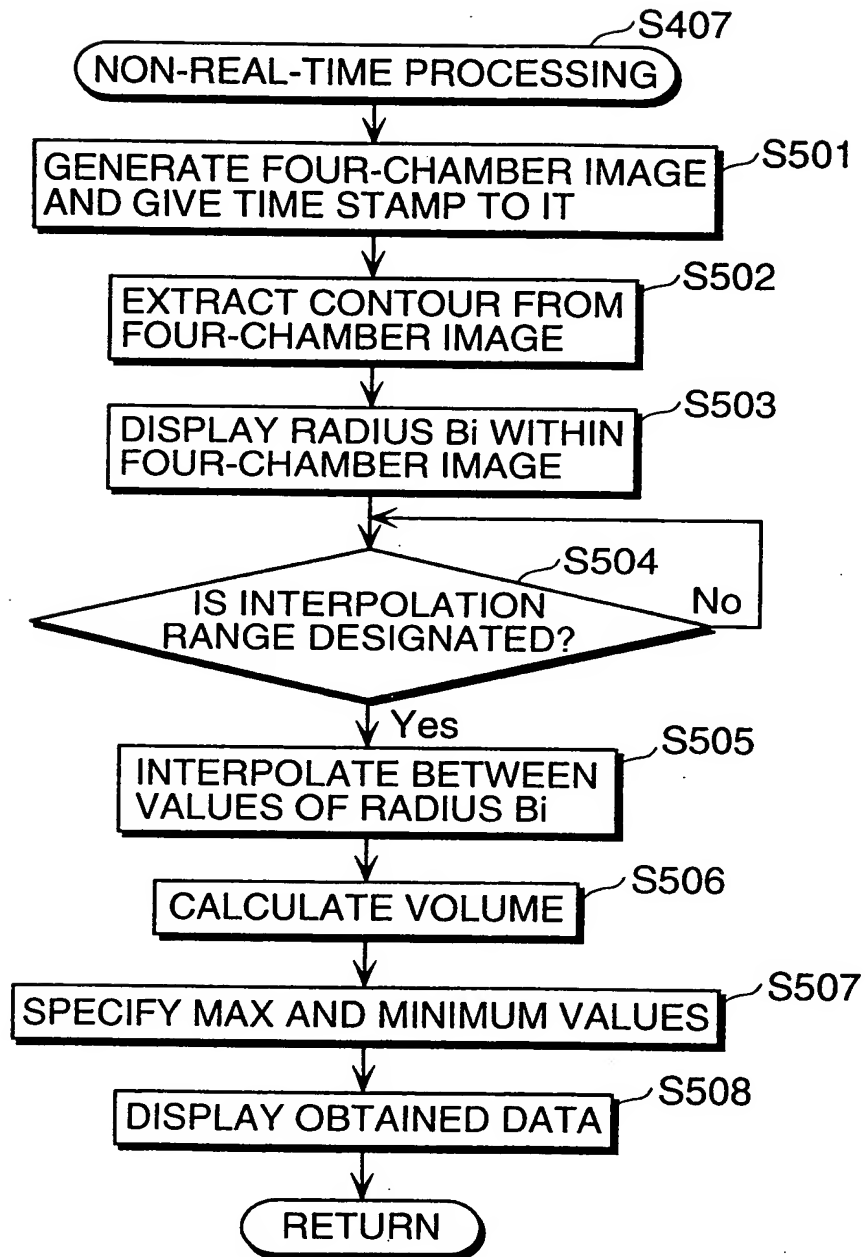


FIG. 10

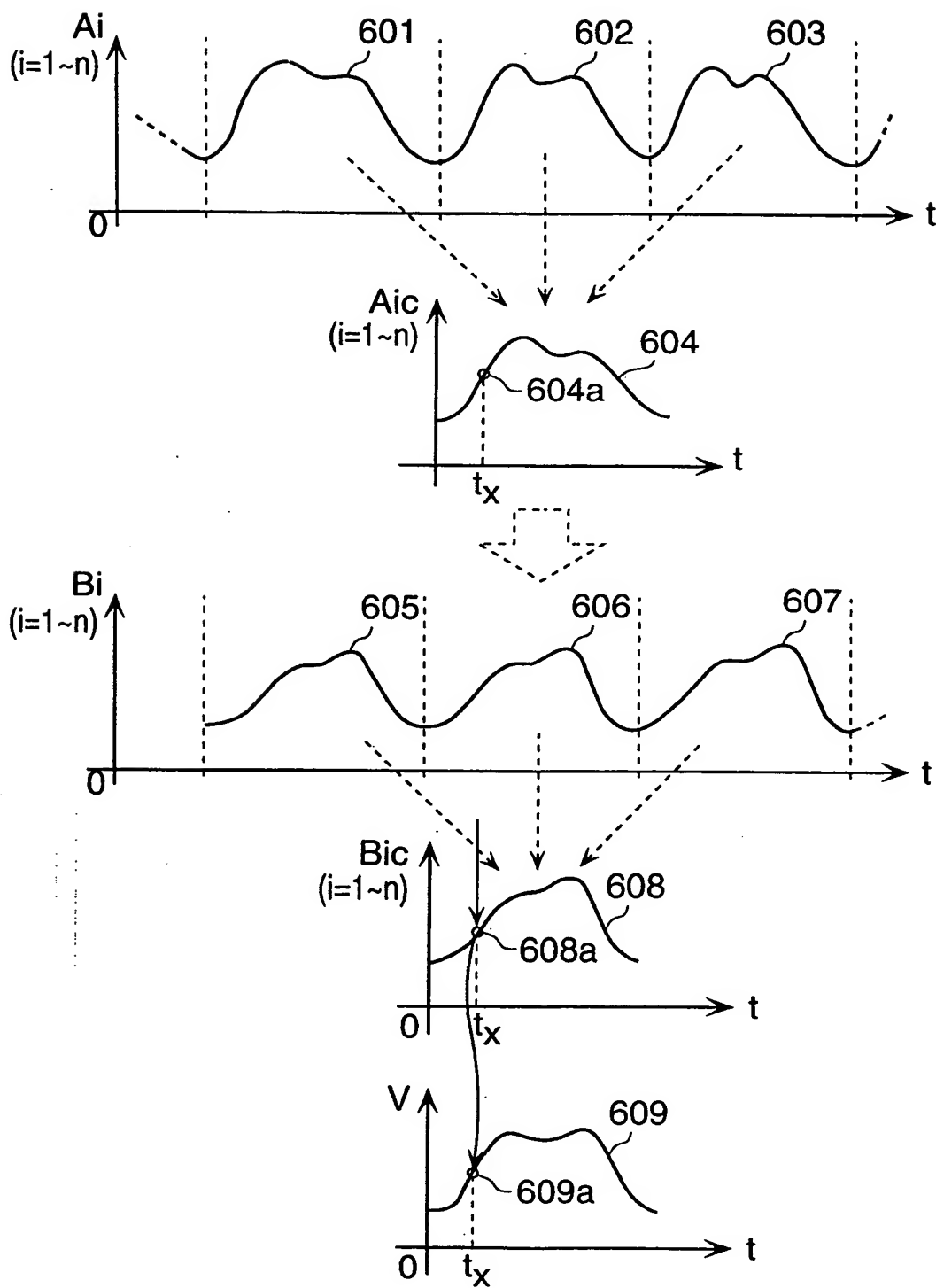


FIG. 11

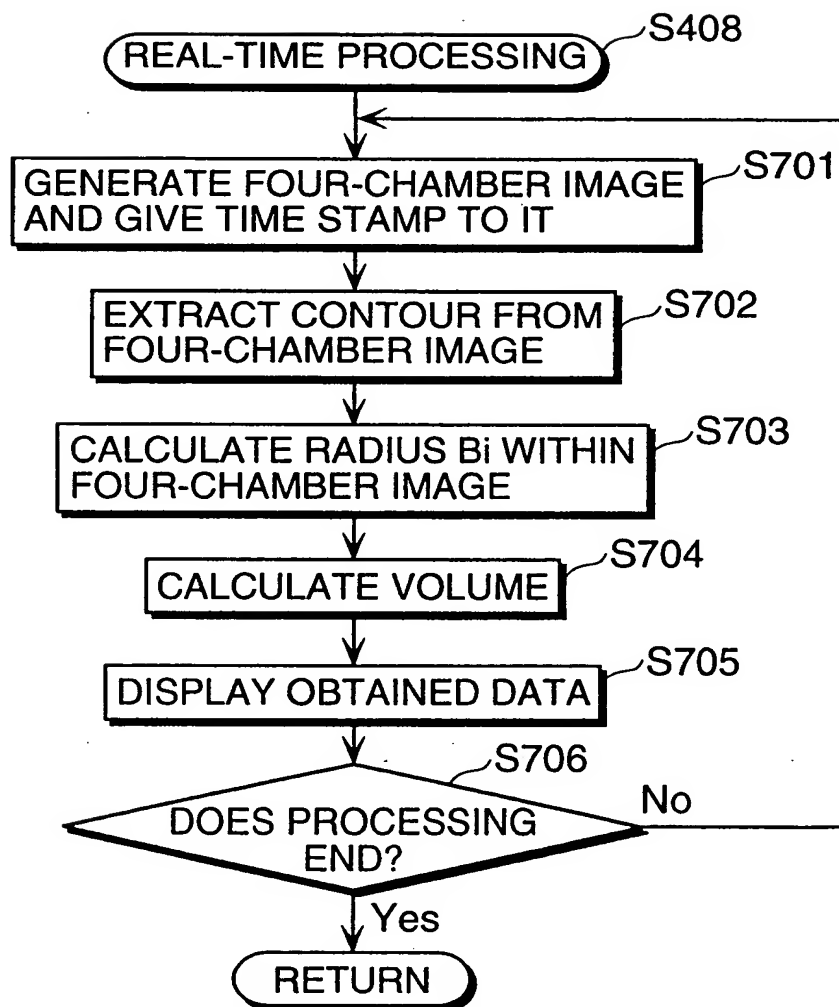


FIG. 12

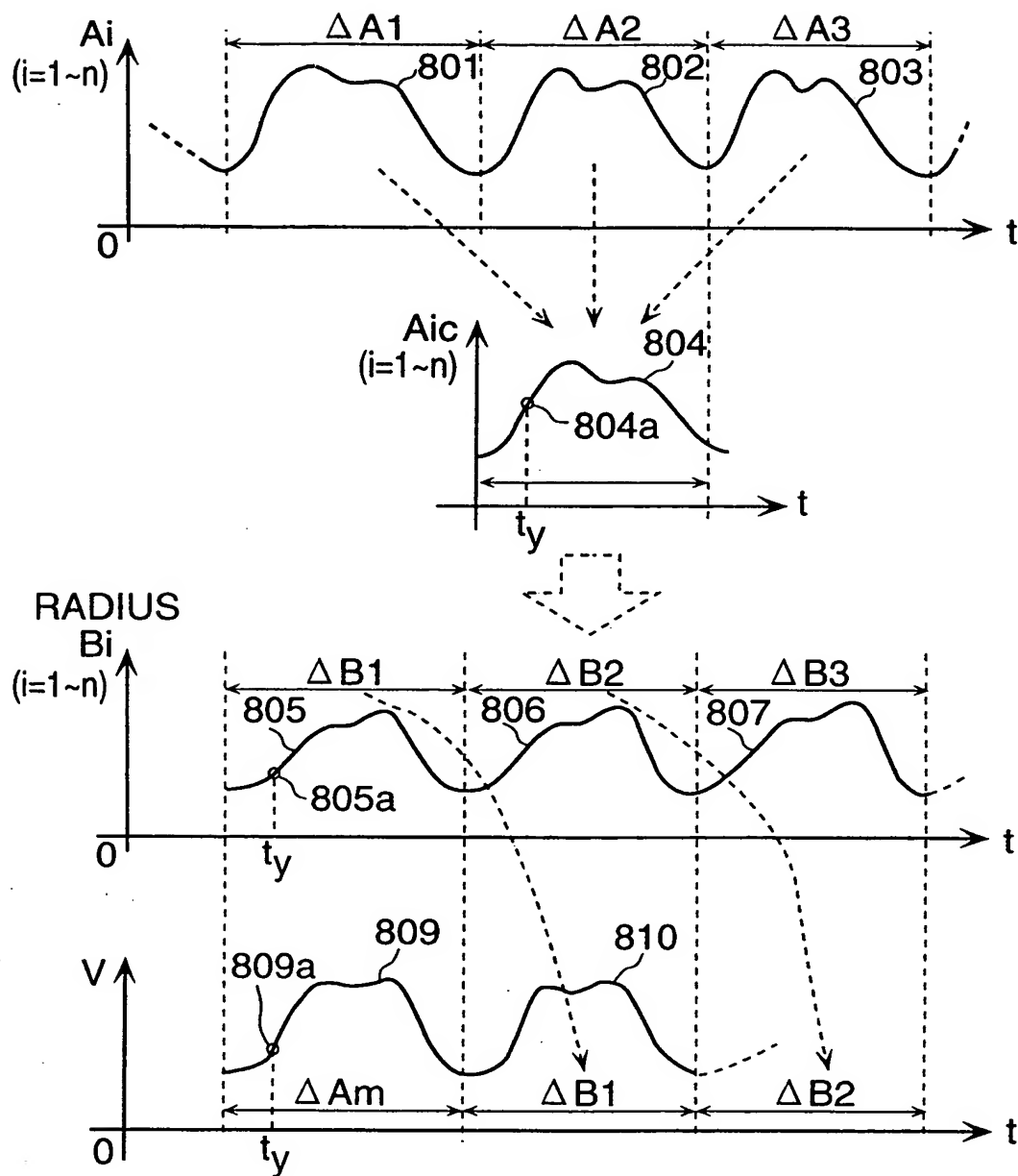


FIG. 13

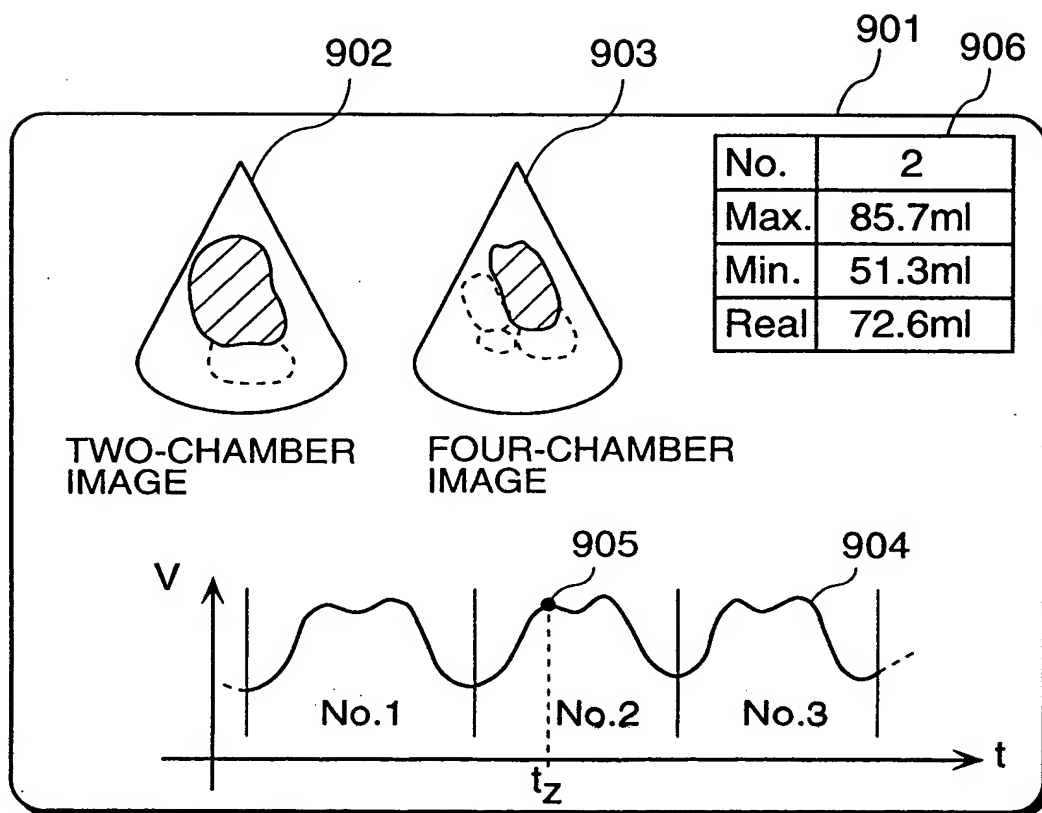


FIG. 14

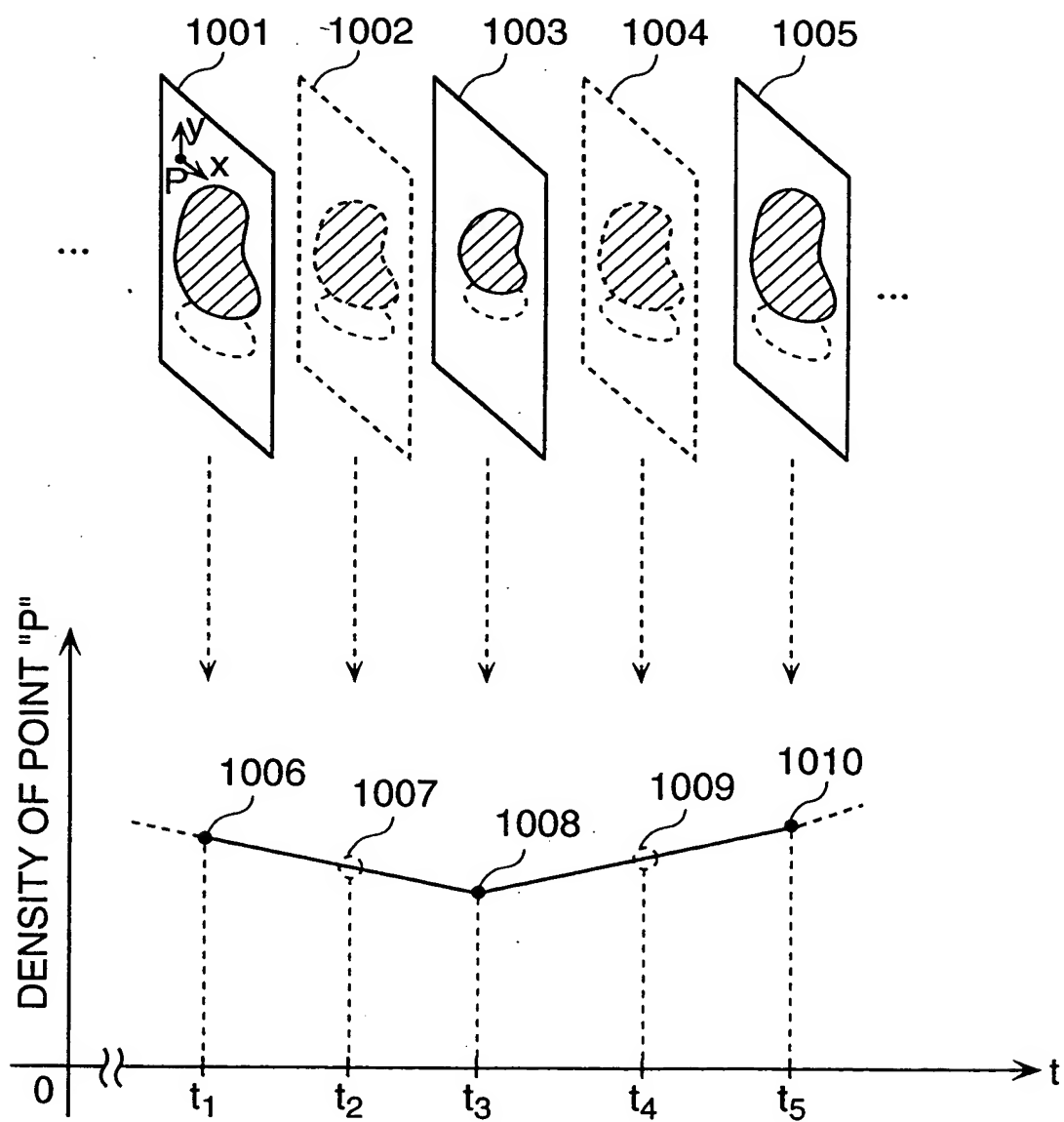


FIG. 15

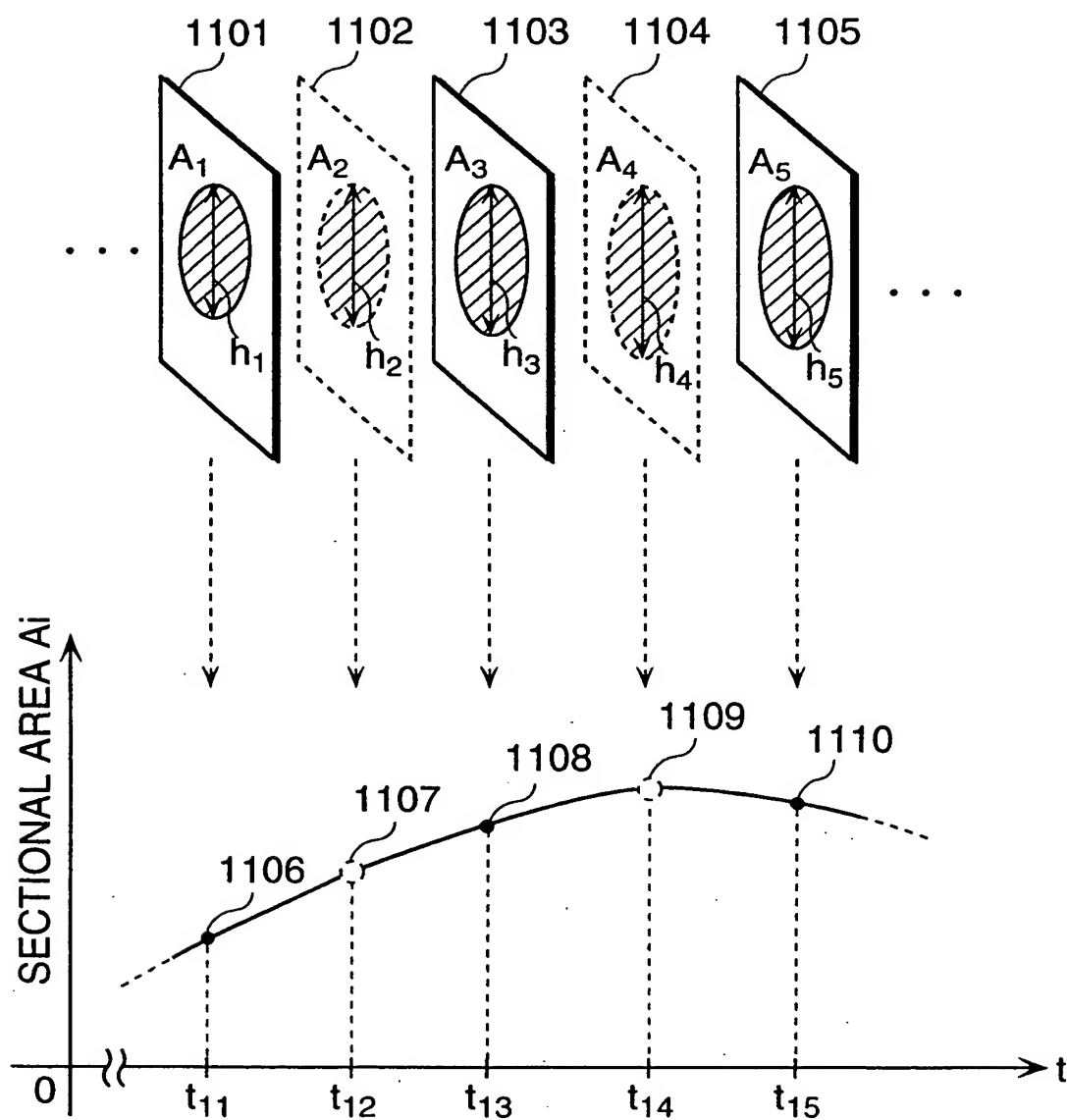
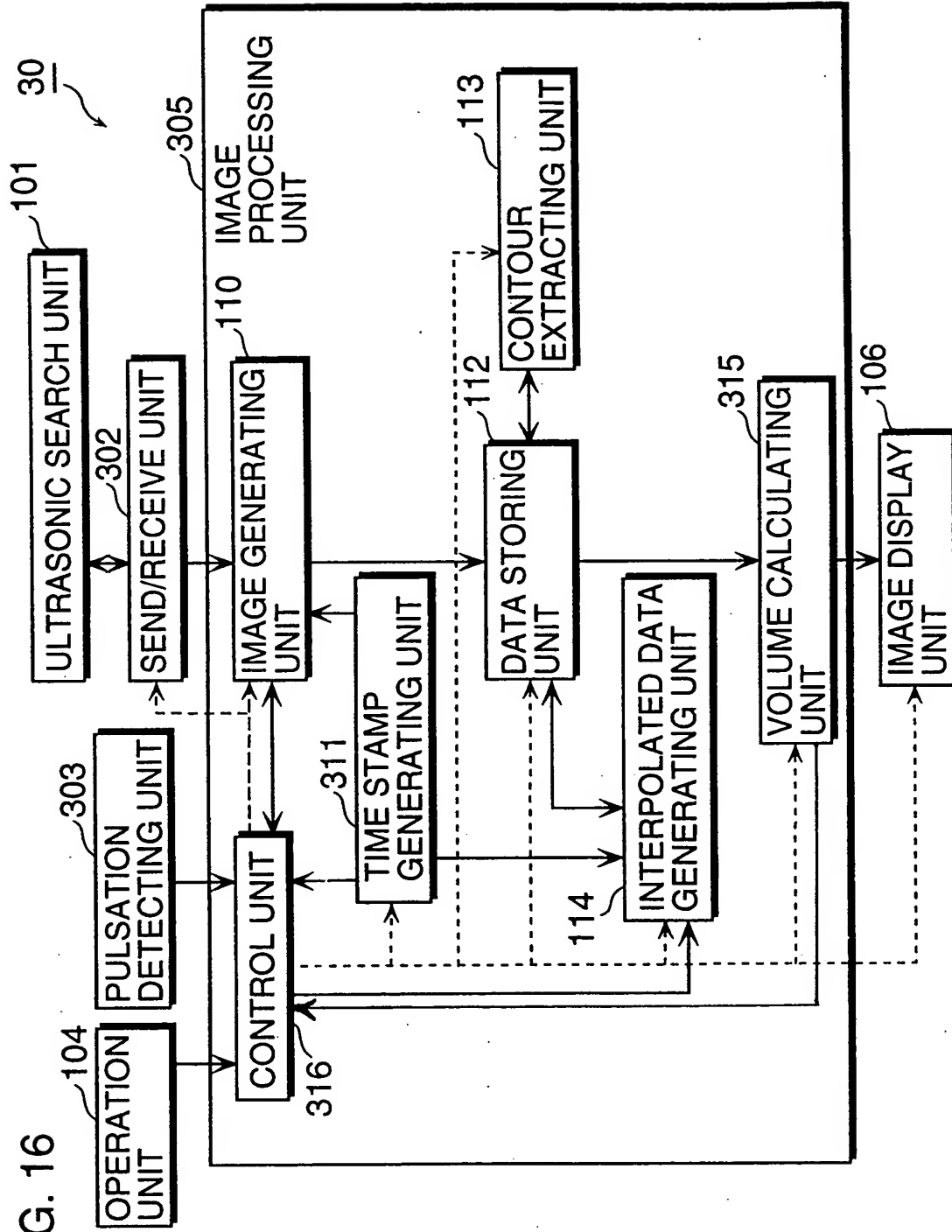


FIG. 16



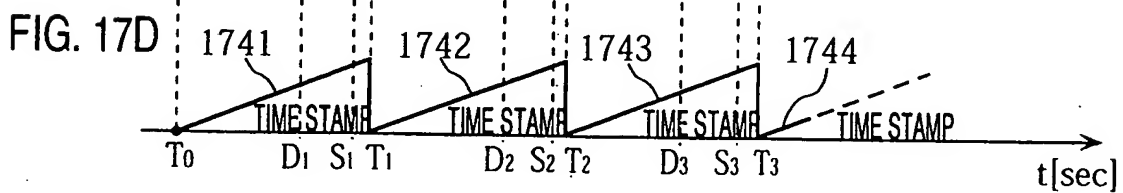
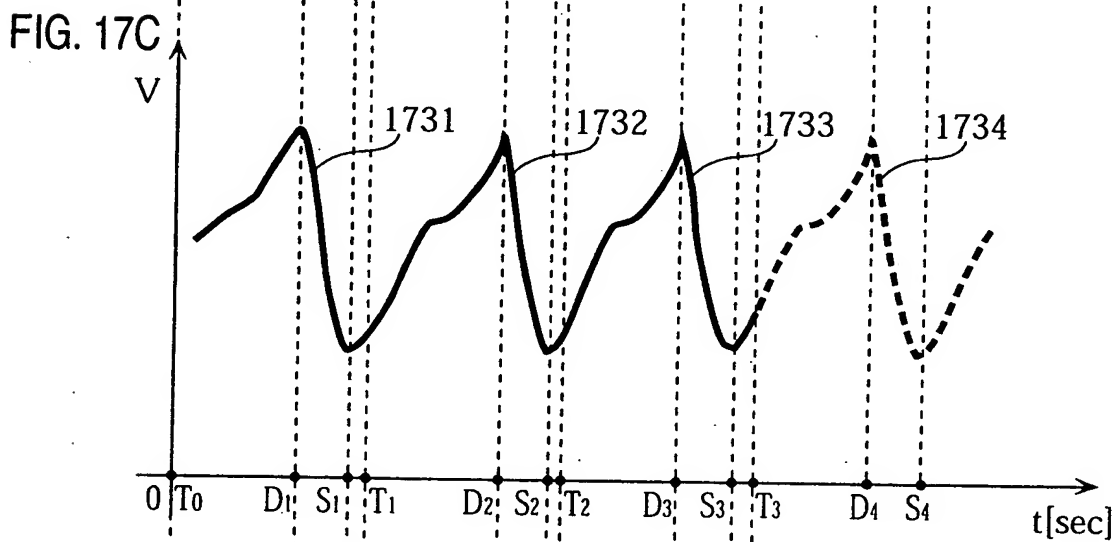
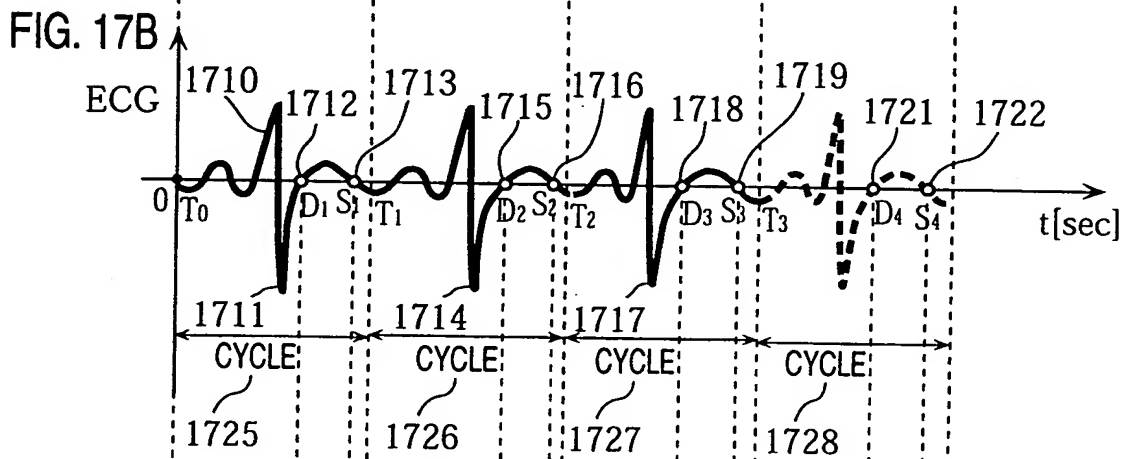
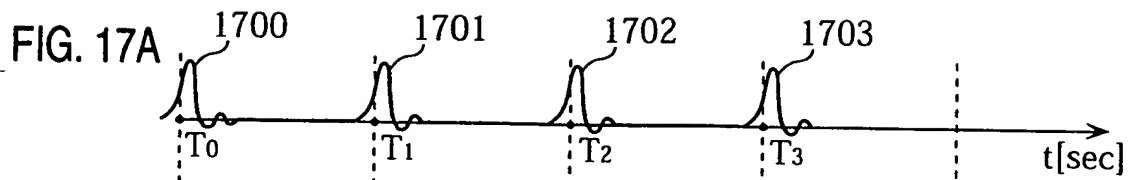


FIG. 18

